CUV	Illinois Dep of Transpo Division of Highways Applied GeoScience, Inc.					_	DIL BORING LO	_		Date	12/	18/0
ROUTE	FAP 870 (IL 53)	DE	SCRI	PTION		Over t	ne East Branch of the DuPage River	Lo	OGGE	ED BY	Kabir	Ahm
SECTION	533X		_ 1	LOCAT	ION _	SEC.	13, <b>TWP.</b> 39 N, <b>RNG.</b> 10 E					
COUNTY _	DuPage D	RILLING	MET	THOD	-		Mud Rotary HAMMER	TYPE		OME A	utoma	Ahn
Station BORING NO Station Offset	022-0181 (prop. 022-0077 (exist.  B-1 915+95 18.00ft Rt.	<u> </u>	D E P T H	B L O W S	U C S Qu (tsf)	M O I S T	Surface Water Elev. Stream Bed Elev.  Groundwater Elev.: First Encounter 670.8 Upon Completion After Hrs.	_ _ ft <u>▼</u>	D E P T H	B L O W S	U C S Qu (tsf)	S
	ver crushed stone						Silty loam, some stone, gray, wet, dense (continued)	-			····	Ė
Peat and topsoil, some silty clay,		686.20	-	4			Fine to coarse sand and fine grave	666.30		5		
dark gray, m	nedium dense			5 7		40.0	gray, wet, medium dense			8 11		12
Ciltural and American		684.30					O.W.	664.30				
Silty clay, trace roots, brown, gray, and some dark gray, very stiff			_	4			Silty clay, some stones, gray, stiff			4		
			-5	6 8		24.0			25	6 7	1.1 P	22
		004.00							-43			
Peat and top	osoil, dark gray, stiff	681.30		4						4		
				5 8	1.6 P	54.0				5 7	1.2 B	21
Silty clay and	d fine stone, some	679.30					Fine to coarse sand and fine gravel	659.30				
sand, dark b	rown, very stiff			4	2.4	12.0	gray, wet, medium dense			5		00
		677.30	-10	5	P	12.0			-30	6		20
Silty clay, so wet, medium	me sand, dark gray, n stiff								_			
				5 6	0.6	44.0						
				6	P				_			
	se sand and silty clay,	674.30										
gray, wet, m	edium dense			4 6		15.0			_	5 8		
			-15	9					-35	9		
		671.30							_			
Silt, gray, we	et .	2	<u>Y</u>	5 7		23.0		650.30	-			
		660 30	_	9			Fine to coarse sand and gravel, gray, wet, medium dense					
Silty Ioam, so	ome stone, gray, wet,	669.30	_	40			'					
uense			-	12 23	1.6	26.0				5 7		9.0
			-20	25	P				-40	9		- 1

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetromet	ier)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)	
B	BS. from 137 (Rev. 8-99)

Illinois Department of Transportation				S	DIL BORIN	Page <u>2</u> of	
Division of Highways Applied GeoScience, Inc.							Date12/18
ROUTE FAP 870 (IL 53)	DESCR	PTION		Overt	he East Branch of the	DuPage River	LOGGED BY Kabir Al
SECTION 533X		OCAT	ION _	SEC.	13, TWP. 39 N, RNG.	10 E	
COUNTYDuPageDF	RILLING ME	CHOD			Mud Rotary	HAMMER TYPE	CME Automatic
022-0181 (prop.) 022-0077 (exist.) Station	D E P	B L O W	U C S	M O I S	Surface Water Elev. Stream Bed Elev.		
BORING NO.         B-1           Station         915+95           Offset         18.00ft Rt           Ground Surface Elev.         687.30	_ н	S (/6")	Qu (tsf)	T (%)	Groundwater Elev.: First Encounter Upon Completion After Hrs.	670.8 ft 5	<u>.</u>
Fine to coarse sand and gravel, gray, wet, medium dense (continued)							
Fine gravel, gray, wet, dense	645,30						
	-45	25 40 25		6.0			
	***************************************						
Weathered limestone, gray, wet, dense	639.30	40 35		9.0			
End of Boring	637.30 -50	37					
	-						
	-55						

Illinois Department of Transportation
Division of Highways
Applied GeoScience, Inc. Page  $\underline{1}$  of  $\underline{2}$ **SOIL BORING LOG** Date 12/18/07 ROUTE FAP 870 (IL 53) DESCRIPTION Over the East Branch of the DuPage River LOGGED BY Kabir Ahmad LOCATION \_ SEC. 13, TWP. 39 N, RNG. 10 E COUNTY \_\_\_\_\_DuPage \_\_\_\_ DRILLING METHOD Mud Rotary HAMMER TYPE CME Automatic | BORING NO. | B-2 | T | W | S | Stream Bed Elev. | T | W | S | Station | 916+19 | H | S | Qu | T | Upon Completion | T | W | S | Ground Surface Elev. | 682.00 | ft | (ft) (/6") (tsf) (%) | Stiff | Sitly clay and topsoil, dark brown, | Sitly clay trace sand and stone | Stream Bed Elev. | T | U | E | U | M | E | U | M | E | U | M | S | U | T | U | U | T | Upon Completion | Upon Completion | T | Upon Completion | T | Upon Completion | T | Upon Completion | Silty clay, trace sand and stone, gray, stiff (continued) 661.00

Silty clay, some stones, gray, stiff to very stiff Silty clay, some stone, dark brown, wet, stiff 8 3.4 8.0 -25 10 S Silty clay and sand, trace wood, dark gray, medium dense Weathered limestone, silty sand, some clay, gray, wet, dense Fine to coarse sand and silty clay, some stone, dark gray, wet, medium dense Fine gravel, some stone, gray, wet, medium dense Fine gravel and coarse sand, gray, wet, dense 8.0 5 | Veathered limestone, silt and stone, light gray, wet, dense

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetromete The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| SOLIE | SHEET NO. | OF | SHEETS | STA. | TO STA. | SHEET NO. | ILLINOIS | FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | NO. | GOBST

BBS, from 137 (Rev. 8-99)

= Pt/\_2002\020019.004\Cadd\Structural\SN022-0181